

Atty. Docket No. IDF 1415 (4000-00900)**Patent****REMARKS*****Status of claims***

Claims 1-14 are currently pending in this application.

Objections to Specification

The specification has been amended as suggested by the Examiner to remove boldface from the section headings.

35 USC § 103 Rejection

Claims 1-13 stand rejected under 35 USC § 103 as obvious over *Hartley* (6,532,465) in view of *Dong* (6,499,023) and further in view of *Lipkin* (6,721,747). Claim 14 stands rejected under 35 USC § 103 as obvious over *Hartley* (6,532,465) in view of *McComb* (6,006,224) and further in view of *Lipkin* (6,721,747). Claims 5 and 10 stand further rejected under 35 USC § 103 as obvious over *Hartley* (6,532,465) in view of *Dong* (6,499,023) further in view of *Lipkin* (6,721,747), and further in view of *Brownell* (6,009,266). As can be seen, each of these rejections relies upon the newly cited reference, *Lipkin*.

Applicants provide herewith the Declaration Under Rule 1.131 of inventor Kemi Ibitayo establishing that the invention claimed in the present application was reduced to practice prior to January 14, 2000, which is the effective date of *Lipkin*. Therefore, *Lipkin* is no longer available as a prior art reference, and given such, Applicants respectfully submit that a *prima facie* case of obvious does not exist as to the pending claims.

*Atty. Docket No. IDF 1415 (4000-00900)**Patent***CONCLUSION**

The Commissioner is hereby authorized to charge payment of any further fees associated with any of the foregoing papers submitted herewith, or to credit any overpayment thereof, to Deposit Account No. 21-0765, Sprint.

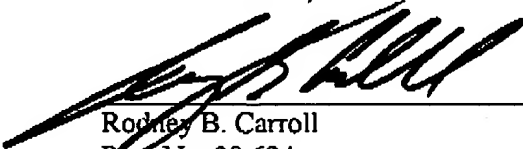
Applicants respectfully submit that the present application as amended is in condition for allowance. If the Examiner has any questions or comments or otherwise feels it would be helpful in expediting the application, he is encouraged to telephone the undersigned at (972) 731-2288.

Respectfully submitted,

CONLEY ROSE, P.C.

Date: 10-1-04

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*Atty. Docket No: IDF 1415 (4000-00900)**Patent*

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OCT-04 2004

Applicants: Kemi Y. Ibitayo, *et al.* §
Serial No.: 09/579,623 §
Filed: May 26, 2000 §
For: COMPUTER FRAMEWORK AND METHOD §
FOR ISOLATING A BUSINESS COMPONENT §
FROM SPECIFIC IMPLEMENTATIONS OF A §
DATABASE §

Group Art Unit: 2175
Examiner: Hassan Mahmoudi
Confirmation No.: 7837

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER RULE 1.131

I, Kemi Ibitayo, declare:

1. I am a co-inventor of the above-identified application.
2. As evidence of the reduction to practice of the invention claimed in this application, attached hereto as Exhibit A is the "Invention Disclosure Form."
3. Based upon my review of Exhibit A as well as my personal knowledge and recollection of the events referenced therein, the invention claimed in this application was reduced to practice prior to January 14, 2000, which is the effective date of the U.S. Pat. No. 6,721,747.
4. All pertinent dates which have been removed from Exhibit A are prior to January 14, 2000.
5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that

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Patent

such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE

Full name of inventor: Kemi Y. Ibitayo

Inventor's signature: *Kemi Ibitayo*

Date: 10/01/2004

Country of Citizenship: Nigeria

Residence Address: 11990 Long St #2514
Overland Park, KS 66213

EXHIBIT A

CONFIDENTIAL
INVENTION DISCLOSURE FORM

Date: **[REDACTED]**

1. Assigned Numbers: Project No. _____ Invention Disclosure No. _____
Law Department File No. 1415
Outside Patent Counsel Docket No. _____

2. Title of Invention: Java Persistence Framework

3. Summary of the Invention:

The Java Persistence Framework is a framework that provides separation of Business and Domain objects, along with an isolation from specific database implementations. The JPF currently provides its capabilities by combining the use of TOPLink and Versant into a single interface.

4. Inventor(s):

a. Dwayne Smith	c. Kani Ibitayo	e. Joey Levi
b. James Tucker	d. Scott Terrell	f. Jason Pringle

5. Earliest written description of the invention (by date and location) (attach a copy):

Sprint, LDD, Technology Services, BITS/NOSM, BTA
Irving, TX
[REDACTED]

Persistence framework that provides a Java interface to decouple the storage of data from a specific database vendor.

6. Potential commercial use(s) for the invention:

As a persistence framework used by an Enterprise that would like to separate the storage of data from a particular database vendor and/or use two or more database vendors within an application and have a common interface to all databases.

7. Is the invention ready for commercialization? (circle)

Yes

No

If No, describe status of the invention:



8. Has the invention been disclosed or offered to anyone?

(circle)

☒ Yes

☐ No

If Yes: Date(s) Various data between [REDACTED]

It was disclosed for review to several people as part of the internal review process. The reviewers were:

- a. Wayne Lund (Contractor – Anderson Consulting)
- b. David Nunn (Contractor)
- c. Wes Enochs (Contractor)



9. Describe the closest prior art (external and internal)
(Refer to published literature, patents and internal written information.
Attach copies if available):

Prior art required either of the following strategies:

- Use the Database vendor calls directly to create, retrieve, update, and delete data.
- Wrap the Database vendor calls with your own APIs that calls the vendor specific APIs to create, retrieve, update, and delete data.
- Most mapping tools including TOPLink support the use of multiple relational databases through the same APIs to create, retrieve, update, and delete data.
- JDBC is an API standard for drivers that allow access to a wide range of SQL databases. This allows applications running on a Java platform to access different databases with the same API call.
- The Java Versant Interface (JVI) is Versant's set of APIs that are use to create, retrieve, update, and delete data.
- Open Database Connectivity (ODBC) allows access to different database languages through the same set of APIs.

10. What advantage(s) does the invention have as compared to the prior art?

- Provides a single interface to perform database manipulation that would otherwise require the 2 more separate interfaces. (i.e. It encapsulates the capabilities of the TOPLink and Versant API into a single interface.)

11. What problem(s) does the invention solve?

- Allows applications to have unique databases. So that if one application uses TOPLink and another uses Versant the programs can use the same APIs calls.
- Gives application developers the ability to code without having to know the specifics of the database they are using.
- Allows for the ability to added another database implementation to the JPF.

12. Please provide a detailed description of the invention:
(Attach summary technical reports or memoranda, tables, figures, equations, etc.)

See the following attachments:

JPF_Class_diagram.doc

Java_Persistence_Framework_Overview.ppt



13. For computer software inventions.

- a. Please provide a flow chart of all software routines. In addition, please provide both a paper copy and a diskette copy (preferably in MS Word format) of the complete source code listing.

Please see the attached Java files:

DatabaseException.java
DatabaseWrapper.java
DatabaseWrapperBase.java
DatabaseWrapperException.java
DatabaseWrapperTOPLinkImpl.java
DatabaseObjectFactory.java
DatabaseObjectFactoryTOPLinkImpl.java
FactoryException.java
OptimisticLockException.java
PersistenceException.java
ServerSessionHolder.java
TOPLinkConfigurator.java
TOPLinkConfiguratorException.java
TOPLinkConstants.java

- b. If the software is tailored to a specific technical subject matter (e.g., a particular area of chemistry, electronics, aviation, biotechnology, etc.), please provide a detailed description of the pertinent subject matter.

The JPF is tailored to the creation, retrieving, updating and deleting of Java objects in databases without having to know vendor specific APIs.

- c. Are alternative means (e.g. hard wired circuitry) available to accomplish the function of the software? If so, please provide a complete description.

There is no alternative means to accomplish the all of the functionality of the JPF that we know of at this time.

- d. Please provide a description of all hardware (e.g., specific microprocessor, peripherals, etc.) necessary to run this software.

This software can be run on any computer capable of running a Sun Java virtual machine, version 1.1 or higher. A typical configuration is described below:

Intel x86 Architecture Computer
Microsoft Windows 98 or Windows NT
Sun JDK or JRE 1.1x or higher installation with the java.exe or jre.exe executables
Oracle8 Enterprise Edition Release 8.0.5.1.0 - With the Objects option
TOPLink 2.01



14. Inventor(s): Dwayne Smith _____ James Tucker _____
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County: Dallas _____ Denton _____
Citizen of: United States _____ United States _____
Signature: _____

Inventor(s): Kemi Ibitayo _____ Scott _____
Terrell _____
Street Address: 1000 E. Ash Lane 801 _____ 412 Ridgeway Dr. _____
City, State, Zip: Euless TX, 76039 _____ Keller, TX 76248 _____
County: Tarrant _____ Tarrant _____
Citizen of: Nigeria _____ United States _____
Signature: _____

Inventor(s): Joey Levi _____ Jason Pringle _____
Street Address: No Longer with Sprint _____ Contractor Anderson Consulting _____
City, State, Zip: _____
County: _____
Citizen of: _____
Signature: _____



15. Reviewed and understood by:

Name: Marty Hill _____

Philip Issa _____

Signature: _____

Date: _____

Return this form and any attachments to:

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